











Date: Friday, 1/4/2008 12:40:55 PM  
User: Jean-Luc Menard

**Process Sheet**

Customer : CC-DAR01 Dart Aerospace Ltd.	Drawing Name : D206-558-043
Job Number : 36575	
Estimate Number : 10804	
P.O. Number :	Part Number : D206558043
This Issue : 1/4/2008 S.O. No. :	Drawing Number : RTN658
Prsm Rev. : NC	Project Number :
First Issue : / / Type : SMALL / MED FAB	Drawing Revision :
Previous Run : 00015	Material :
Written By : _____	Due Date : 1/11/2008 Qty: 1 Um: Each
Checked & Approved By : _____	
Comment : _____	

**Additional Product**

Job Number: 

Seq. #:	Machine Or Operation:	Description :
1.0	QC5	INSPECT WORK TO CURRENT STEP
		
	Comment: INSPECT WORK TO CURRENT STEP	
2.0	D206558043	Dual Cargo Mirror Assy
		
	Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) Dual Cargo Mirror Assy From RTN658 D206-558-043 original B34442 (from a previous return), @ CHG005	
3.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
		
	Comment: SMALL & MEDIUM FAB RESOURCE 1 - Change the D2011-101 mirror - discard mirror, - assemble with same hardware.	
4.0	D2011101	Mirror 6"
		
	Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s) Mirror 6" pick qty 1 B 35536	
5.0	QC5	INSPECT WORK TO CURRENT STEP
		
	Comment: INSPECT WORK TO CURRENT STEP	

Date: Monday, 14/04/2008 9:14:53 AM  
User: Linda Lacelle

## Process Sheet

Customer	: CC-DAR01 Dart Aerospace Ltd.	Drawing Name	: TEST INSTALL REWORK
Job Number	: 38414		
Estimate Number	: 10804		
P.O. Number	:	Part Number	: D206558043
This Issue	: 14/04/2008	S.O. No.	:
Prsht Rev.	: NC	Drawing Number	: REWORK
First Issue	: 04/04/2008	Project Number	:
Previous Run	: 00015	Drawing Revision	:
		Material	:
Written By	:	Due Date	: 11/04/2008
Checked & Approved By	:	Qty:	1 Um: Each
Comment	:		

## Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description :

1.0

QC

QUALITY CONTROL



Comment: QUALITY CONTROL

Pull D206-558-043, and ~~2~~ from stock:B 35353 Qty 3B 36575 Qty 1

B \_\_\_\_\_ Qty \_\_\_\_\_

4 total

Date: Monday, 14/04/2008 9:14:53 AM  
User: Linda Lacelle

## Process Sheet

Customer: CC-DAR01 Dart Aerospace Ltd.

Drawing Name: TEST INSTALL REWORK

Job Number: 38414

Part Number: D206558043

Job Number:



Seq. #:

Machine Or Operation:

Description :

2.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Rework as per Eng approved re-work scheme on Dwg D2052.  
See attached scheme

*080415*

3.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble to test fit on the 206 mock up air craft.

Results: *Test fit, holes*  
*were good IAW Rework*  
*scheme*

*080415*

4.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Touch up slots with alodine per QSI 005, and touch up holes with black paint.

*080415*

5.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

*0804.15*

*301*

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Qty 1 kit to be re-packaged @ CHG0060n:  
D206-558-043 B *38414*

*0804.15*

New labels required with the current batch #

Pick the following:

Date: Monday, 14/04/2008 9:14:53 AM  
User: Linda Lacelle

## Process Sheet

Customer: CC-DAR01 Dart Aerospace Ltd.

Drawing Name: TEST INSTALL REWORK

Job Number: 38414

Part Number: D206558043

Job Number:



Seq. #:

Machine Or Operation:

Description :

7.0

D2067

Connector



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Connector

Pick: Packing Kit

Qty Part Number

Description

Batch

1

D2067

Connector

B37483

AS 08/04/15 (12)

8.0

AN34A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Bolt

Pick: Packing Kit

Qty Part Number

Description

Batch

4

AN3-4A

Bolt

M103641

AS 08/04/15 (12)

9.0

AN960JD10L

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Washer

Pick: Packing Kit

Qty Part Number

Description

Batch

4

AN960JD10L

Washer

M104885

AS 08/04/15 (12)

10.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

AS 08/04/15 (12)

11.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Package @ CHG 006, and return to stock.

Location: \_\_\_\_\_

Rev E

AS 08/04/15 (12)

12.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/04/17

Job Completion



MF 08-04-17

Date: Friday, 04/04/2008 10:08:26 AM  
User: Linda Lacelle

## Process Sheet

Customer : CC-DAR01 Dart Aerospace Ltd.  
Job Number : 38414  
Estimate Number : 10804  
P.O. Number :  
This Issue : 04/04/2008 S.O. No. :  
Prsht Rev. : NC  
First Issue : 04/04/2008 Type : SMALL /MED FAB  
Previous Run : 00015

Drawing Name :

Part Number : Z-CUSTOM  
Drawing Number :  
Project Number :  
Drawing Revision :  
Material :  
Due Date : 11/04/2008

Qty: 1 Um: Each

Written By :  
Checked & Approved By :

<b>DART</b>		TEL.: 1-613-632-3336 FAX: 1-613-632-4443	
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D206-558-043	CHG	CHG005
DESC.	Dual Cargo Mirror Assy	STC	SH92-17
LOT	B35353	STC	SH1031NE
MODEL	206A/B/L/L1/L3/L4/407	STC	
MADE IN CANADA			

<b>DART</b>		TEL.: 1-613-632-3336 FAX: 1-613-632-4443	
TRANSPORT CANADA APPROVAL # 09-89			
P/N	D206-558-043	CHG	CHG005
DESC.	Dual Cargo Mirror Assy	STC	SH92-17
LOT	B35353	STC	SH1031NE
MODEL	206A/B/L/L1/L3/L4/407	STC	
MADE IN CANADA			

1.0

QC

QUALITY CONTROL

Comment: QUALITY CONTROL

- pulled from stock Dual cargo mirror Assy  
P/N D206-558-~~043~~ 043 B/N B35353 QTY 1
- EXTENDED SLOTS on D 2052 Bracket . 062 outboard ea.
- INSTALLED MIRROR on 206 L Mock up
- Removed from 206 L Mock up
- Touched up slots as required per Q31005
- Return to packaging
- EXTEND SLOTS on Brackets D2052 on B/N 35353 QTY 2  
062 outboard ea.  
B36575 QTY 1  
B34919 QTY 3  
Incomplete bolts.

Job Completion



**DART**  
Dart Aerospace Ltd.  
1270 ABERDEEN ST.  
HAWKESBURY, ON, CANADA K6A 1K7

TC APPROVAL # 09-89  
TEL: 1-613-632-5200

P/N	D206-558-043	CHG	CHG005
DESC.	Dual Cargo Mirror Assy	STC	SH92-17
LOT	B36575	STC	SH1031NE
MODEL	206A/B/L/L1/L3/L4/407	STC	

MADE IN CANADA

D2729-1

206-558  
-643

3x B35353 → -competed  
- 1 new kit + needed.

1x B36575 - in box

3x B34919 B2066 - put together, but no bolts assembled.

B2067

AV3-4A

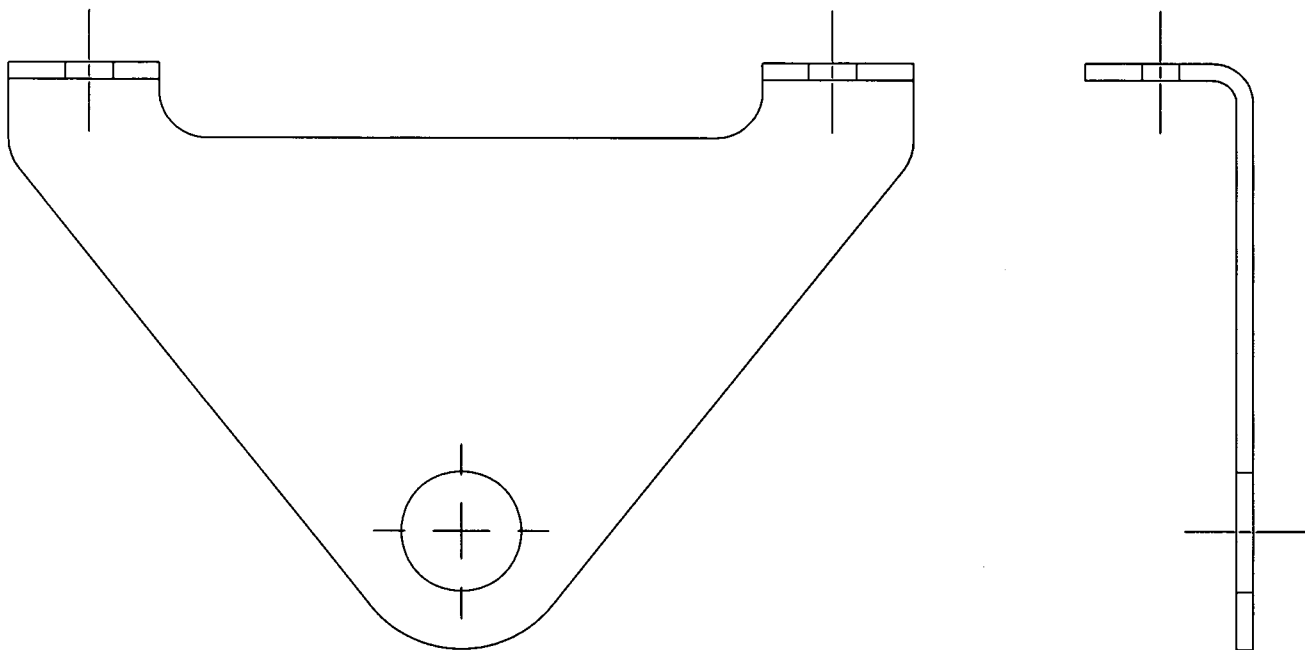
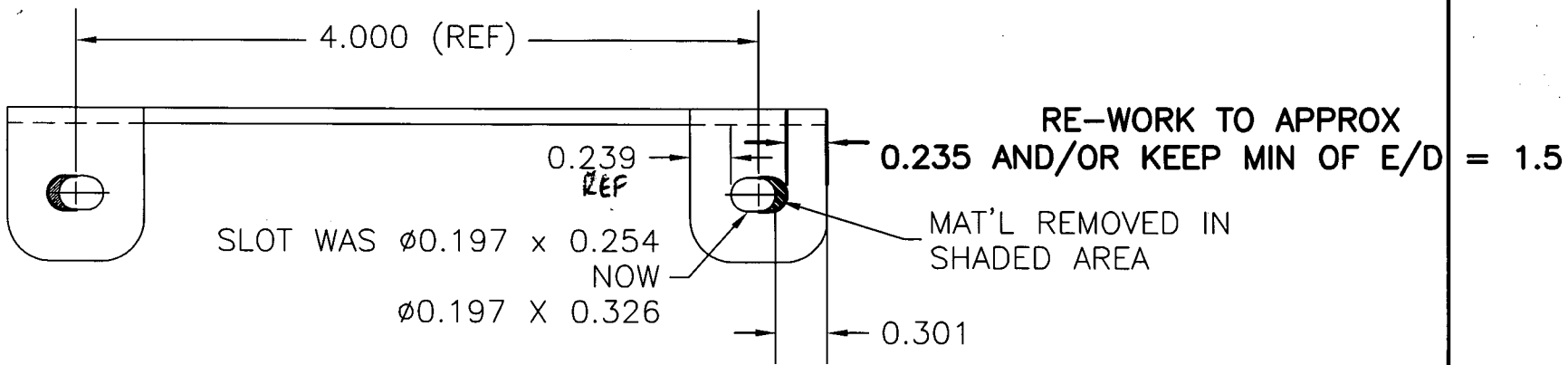
AV9603010L

E# 12278

REF PAR03-012

RE-WORK SCHEME FOR D2052 CONTAINED IN  
D206-558-041/-043 MIRRORS  
08.04.10

DESIGN	BW	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED		APPROVED	DRAWING NO.	REV. C
			D2052	SHEET 1 OF 2
DATE	99.04.30		TITLE	SCALE
			BRACKET	1:1
A		92.01.12	NEW ISSUE	
B		97.02.21	ADD SLOT TO FOOT	
C		99.04.30	ADD FLAT PATTERN	



MATERIAL: 5052-H32 (QQ-A-250/8), 0.090 THICK  
FINISH: POWDER COAT CRINKLE BLACK (4.3.5.3) PER DART QSI 005. 4.3  
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED  
ALL DIMENSIONS ARE IN INCHES

**Peter Hum**


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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** April 8, 2008 3:23 PM  
**To:** 'Peter Hum'  
**Cc:** 'Dan Stow'; 'Mike Petsche'; 'Harvey Siemens'  
**Subject:** RE: D2052 re-work affecting D206-558-041/-043 single and dual cargo mirror

Yup ... I agree with Mike's position.

FYI ... I think Harvey found something else wrong with the install.  
 Something to do with installing a bracket on the inside of the aircraft.  
 You should give Harvey a call.  
 I believe he has emailed one of you regarding this issue already.

David

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**From:** Mike Petsche [mailto:mpetsche@dartaero.com]  
**Sent:** Tuesday, April 08, 2008 7:14 AM  
**To:** 'Peter Hum'; 'David Shepherd'  
**Cc:** 'Dan Stow'  
**Subject:** RE: D2052 re-work affecting D206-558-041/-043 single and dual cargo mirror

I don't think the question is whether it's acceptable. I'm pretty sure they could be reworked carefully and the finish touched up.

The question is how many do we have in stock, and is it worth the time to rework them, as opposed to just scrapping them.

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**From:** Peter Hum [mailto:phum@dartaero.com]  
**Sent:** April 8, 2008 9:07 AM  
**To:** 'David Shepherd'  
**Cc:** 'Dan Stow'; 'Mike Petsche'  
**Subject:** D2052 re-work affecting D206-558-041/-043 single and dual cargo mirror

David,

Dan Stow is working on trying various approved Dart parts on an ongoing basis. The 1<sup>st</sup> installation that was tried was the D206-558-041/-043 single/dual cargo mirror.

It was discovered that the hole spacing of the tabs that installs the D2052 Bracket to the aircraft nose is not wide enough.

It was determined that the best corrective action was to slot the holes to increase the hole spacing. See attached .pdf. The installation was also re-tried on the aircraft (see attached picture), much better fit.

The slot will be opened up by grinding the holes, the edge distance will nominally be 0.235" after re-work, however the repair will maintain an edge distance of at least (0.200", e/D = 1.5)

Therefore, is this re-work of stock acceptable? The drawing will be updated to modify the flat pattern and increase the slot. Call me if you need to discuss.

10/04/2008





Peter Hum  
Mechanical Designer  
Dart Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ONT, K6A 1K7  
Tel: (613) 632-5200  
Fax: (613) 632-9311

No virus found in this incoming message.

Checked by AVG.

Version: 7.5.519 / Virus Database: 269.22.8/1363 - Release Date: 07/04/2008 8:56 AM

No virus found in this outgoing message.

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Version: 7.5.519 / Virus Database: 269.22.8/1363 - Release Date: 07/04/2008 8:56 AM

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Checked by AVG.

Version: 7.5.519 / Virus Database: 269.22.9/1365 - Release Date: 4/8/2008 7:30 AM

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.519 / Virus Database: 269.22.9/1365 - Release Date: 4/8/2008 7:30 AM

42  
43

# Under Review Notification

Raised By: Peter Hum

Date: 08.04.10

Product #: D206-558-041/-043

Product Name: Cargo Mirror

Drawing/Kit Number	Drawing/Kit Description	Quantity on Hand (Stock)	Quantity on Order (Production)	Quantity Allocated (Customer Order)	HOLD SHIPMENT	Red Tag/Quarantine Stock	Advise customers	Stop Production	Re-Work Stock	IPP Under Review	Blue File Under Review	ECN #	Instructions
D2052	BRACKET	59	0	0	N	Y	N	Y	Y	Y	N	1171	SEE BELOW
D206-558-041	SINGLE CARGO MIRROR	9	0	0	N	Y	N	N	Y	N	N		SEE BELOW
D206-558-043	DUAL CARGO MIRROR	4	0	0	N	Y	N	N	Y	N	N		SEE BELOW

REFERENCE ONLY

## Description of issue:

Reference PAR 08-012

- D2052 BRACKET is not fitting correctly on aircraft. Holes in tab will need to be elongated. Re-work D206-558-041/-043 in stock that have D2052
- For in stock D2052 BRACKET, quarantine and hold for eng'g disposition

Quarantine held & D2066  
reworked -043 W/O 38414  
-041 -7 W/O

## Distribution:

General Manager  
Production Manager  
Director Quality Assurance  
Design Manager  
Chief Engineer

Production Engineering Coordinators  
Quality Assurance Coordinator  
Quality Control Coordinator  
Order Processing  
Customer Technical Support

Engineering Project Managers  
Engineering Clerk  
Marketing

